

REMARKS/ARGUMENTS

This paper is being provided in response to the Office Action dated June 2, 2005 for the above-referenced application. In this response, Applicant has added new Claim 101, canceled Claims 67, 68, 88 and 89, and amended Claims 51, 54, and 72 in order to clarify that which Applicant deems to be the claimed invention. Applicant respectfully submits that the amendments to the claims and new Claim 101 are all supported by the originally filed application.

Applicant thanks the Examiner for the courtesies extended in the telephone interview of October 28, 2005 with Applicant's representative.

The rejection of Claims 67, 89, 93, 94, 97, 98 and 100 under 35 U.S.C. § 112, ¶2 has been addressed by Claim amendments provided herein in accordance with the guidelines provided in the Office Action. Accordingly, Applicant respectfully requests that this rejection be withdrawn.

The rejection of Claims 51-61, 63-82, and 84-100 under 35 U.S.C. § 102(e) as being anticipated by Draper et al. (U.S. Patent No. 5,924,096, hereinafter referred to as "Draper") is hereby traversed and reconsideration thereof is respectfully requested. Applicant respectfully submits that Claims 51-61, 63-82, and 84-100, as amended herein, are patentable over the cited reference. Applicant respectfully submits that this rejection as applied to Claims 67, 68, 88 and 89 is moot in view of the cancellation of these dependent claims herein.

Claim 51, as amended herein, recites a method of viewing a visual form of data associated with tags comprising: selecting a database containing a plurality of reports wherein each report includes a representation of a visual form of the data corresponding to one of a print form of the data or a display form of the data and associated tags, wherein at least one of said tags is included in the visual form of the data, wherein horizontal and vertical coordinates identify a location of at least one text element represented in the visual form; selecting at least one report; for each page of the at least one report, constructing a named temporary file for a metafile containing metafile data corresponding to said each page; and executing a previewer program which accesses a control file to view said visual form of the data represented by the metafile data included in said named temporary file corresponding to said each page, said control file including said at least one tag and a name of said named temporary file for each metafile corresponding to a page of the at least one report, wherein said previewer program is operable to perform searching for instances of specified text in said at least one report, said searching further comprising: identifying each text command in one or more selected metafiles and coordinates identifying a position of text associated with said text command; sorting text commands in accordance with each of said one or more selected metafiles, Y coordinate position within a display, and X coordinate position within the display; forming a list of records of text strings from said sorted text commands, wherein a position of each text string in the display is associated with each record; and concatenating a first text string of said text strings with a second text string of said text strings if said first and second text strings are within a predetermined percentage of text height. Claims 52-61, 63-66, 69-71, and 93-96 depend from Claim 51.

Claim 72, as amended herein, recites a computer program product for viewing a visual form of data associated with tags comprising: machine executable code for selecting a database

containing a plurality of reports wherein each report includes a representation of a visual form of the data corresponding to one of a print form of the data or a display form of the data and associated tags, wherein at least one of said tags is included in the visual form of the data, wherein horizontal and vertical coordinates identify a location of at least one text element represented in the visual form; machine executable code for selecting at least one report; machine executable code for constructing, for each page of the at least one report, a named temporary file for a metafile containing metafile data corresponding to said each page; and machine executable code for executing a previewer program which accesses a control file to view said visual form of the data represented by metafile data included in said named temporary file corresponding to said each page, said control file including said at least one tag and a name of said named temporary file for each metafile corresponding to a page of the at least one report, wherein said previewer program is operable to perform searching for instances of specified text in said at least one report, and further comprising machine executable code for: identifying each text command in one or more selected metafiles and coordinates identifying a position of text associated with said text command; sorting text commands in accordance with each of said one or more selected metafiles, Y coordinate position within a display, and X coordinate position within the display; forming a list of records of text strings from said sorted text commands, wherein a position of each text string in the display is associated with each record; and concatenating a first text string of said text strings with a second text string of said text strings if said first and second text strings are within a predetermined percentage of text height. Claims 73-82, 84-87, 90-92, and 97-100 depend from Claim 72.

Draper relates to distributed database computer systems, and more particularly to distributed database system which uses indexed tags to track events according to type, to update

a cache database of database data items, to construct an update log on demand and to provide other capabilities. (Col. 1, Lines 8-12). Draper's Figure 2 includes a data index 200 and a set of data items 202. Each data item 202 has an associated tag 204. The data items 202 may include objects, records or other collections of data values. Each tag 204 value corresponds to an event in the history of the associated data item 202, such as the most recent update to the data item 202. Tags 204 are typically restricted to internal use. Suitable tags 204 include timestamps, version numbers, sequence numbers, update reference numbers, transaction counters, and other means of determining the relative order of operations on the data items 202. A transaction counter guarantees ordering of events and supports synchronization because the counter is received by a cache or other database copy from master database copy. (Col. 5, Lines 3-37). Draper discloses use of indexed tags for updating a cache and synchronizing replicas. (Col. 7, Lines 4-6). Draper's Figure 5 includes a step 520 in which a cache of data items 202 is updated using an event list. (Col. 7, Lines 59-60). Draper's Figure 5 discloses use of constraining steps 514, 516 and 518 for use in selecting events included in an event list. Step 514 constrains events based on position in sequence, step 516 constrains events by event type and step 518 constraints events based on a maximum number of events for the event list. (Col. 7, Lines 21-58). Draper's Figure 6 includes two client caches 608 and 610. Each cache includes at least some of the data items 202. The cached data 612, 614 may be in the same format as the replicas, but this is not required. Each data item 202 in the master replicas 606 and each data item 202 in the cached data 612, 614 has a corresponding tag 204. To facilitate quick cache synchronization, the system 600 uses indexed tags 204. Tags 204 stored on a given master system 602 or 604 record the most recent changes that have occurred for each data item stored in that master system. A cache site can send a request to the master system 608 or 610 to get a list of the most recent events that occurred on data items 202 since the last time the cache made an inquiry. The list of events

returned from the master system 602, 604 can be used to determine which operations should be performed on the cache 608, 610 to bring it into sync with the master system. (Col. 8, Lines 11-67).

Claim 51, as amended herein, is neither disclosed nor suggested by Draper in that Draper neither discloses nor suggests at least the features of *a method of viewing a visual form of data associated with tags comprising: selecting a database containing a plurality of reports wherein each report includes a representation of a visual form of the data ... wherein horizontal and vertical coordinates identify a location of at least one text element represented in the visual form; ... wherein said previewer program is operable to perform searching for instances of specified text in said at least one report, said searching further comprising: identifying each text command in one or more selected metafiles and coordinates identifying a position of text associated with said text command; sorting text commands in accordance with each of said one or more selected metafiles, Y coordinate position within a display, and X coordinate position within the display; forming a list of records of text strings from said sorted text commands, wherein a position of each text string in the display is associated with each record; and concatenating a first text string of said text strings with a second text string of said text strings if said first and second text strings are within a predetermined percentage of text height*, as set forth in Claim 51. As described above, Draper's Figure 5 discloses use of constraining steps 514, 516 and 518 in selecting events included in an event list. Step 514 constrains events based on position in sequence, step 516 constrains events by event type, and step 518 constraints events based on a maximum number of events for the event list. Draper neither discloses nor suggests any use of coordinates in identifying or selecting text or any other element. Draper also neither discloses nor suggests any operation upon text as set forth in the

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foregoing recited features of amended Claim 51. Accordingly, Draper does not teach, disclose or suggest at least the foregoing recited features of Claim 51.

For reasons similar to Claim 51, Applicant's Claim 72, as amended herein, is also neither disclosed nor suggested by Draper in that Draper neither discloses nor suggests at least the features of *a computer program product for viewing a visual form of data associated with tags comprising: machine executable code for selecting a database containing a plurality of reports wherein each report includes a representation of a visual form of the data ... wherein horizontal and vertical coordinates identify a location of at least one text element represented in the visual form; machine executable code for selecting at least one report; ... wherein said previewer program is operable to perform searching for instances of specified text in said at least one report, and further comprising machine executable code for: identifying each text command in one or more selected metafiles and coordinates identifying a position of text associated with said text command; sorting text commands in accordance with each of said one or more selected metafiles, Y coordinate position within a display, and X coordinate position within the display; forming a list of records of text strings from said sorted text commands, wherein a position of each text string in the display is associated with each record; and concatenating a first text string of said text strings with a second text string of said text strings if said first and second text strings are within a predetermined percentage of text height, as set forth in Claim 72.*

In view of the foregoing, Applicant respectfully requests that the rejection be reconsidered and withdrawn.

The rejection of Claims 62 and 83 under 35 U.S.C. § 103(a) as being unpatentable over Draper in view of Vachey (U.S. Patent No. 5,630,120, hereinafter referred to as "Vachey") is hereby traversed and reconsideration thereof is respectfully requested. Applicant respectfully submits that Claims 62 and 83 are patentable over the cited references, taken separately or in combination.

Claim 62 depends from independent Claim 51. Claim 83 depends from independent Claim 72. For reasons set forth above, Applicant's Claims 51 and 72 are neither disclosed nor suggested by Draper. For reasons set forth below, Applicant also respectfully submits that combining Draper with Vachey also neither discloses nor suggests Claims 51 and 72, and claims that depend therefrom.

Claims 51 and 72 are summarized above.

Vachey relates to a method to help in optimizing a query from a relational data base management system. The method includes constructing a tree on the basis of the search for the execution plan of the query written in the RDBMS query language. The tree is representative of the execution plan of the query and the tree is represented on the screen. (See Abstract; Col. 1, Lines 21-24; Col. 3, Lines 11-18). Figure 2B of Vachey illustrates a query menu of a log-on screen including a scrolling list 21. (Col. 5, Lines 34-35).

The Office Action on page 6 appears to cite Vachey as support that it was common practice to select a record from a list that resulted from querying a database, as taught in Vachey by optimizing a query from a relational database where a query scroller is used.

Claim 51 is neither disclosed nor suggested by the references, taken separately or in combination, in that the references neither disclose nor suggest at least the features of *a method of viewing a visual form of data associated with tags comprising: selecting a database containing a plurality of reports wherein each report includes a representation of a visual form of the data ... wherein horizontal and vertical coordinates identify a location of at least one text element represented in the visual form; ... wherein said previewer program is operable to perform searching for instances of specified text in said at least one report, said searching further comprising: identifying each text command in one or more selected metafiles and coordinates identifying a position of text associated with said text command; sorting text commands in accordance with each of said one or more selected metafiles, Y coordinate position within a display, and X coordinate position within the display; forming a list of records of text strings from said sorted text commands, wherein a position of each text string in the display is associated with each record; and concatenating a first text string of said text strings with a second text string of said text strings if said first and second text strings are within a predetermined percentage of text height*, as set forth in Claim 51. For reasons set forth above, Draper neither discloses nor suggests at least the foregoing recited features of Claim 51. Vachey also appears silent regarding any disclosure or suggestion of the foregoing features of Claim 51. Thus, Vachey does not overcome the deficiencies of Draper with respect to Applicant's amended Claim 51. Accordingly, the references do not disclose, teach or suggest at least the foregoing recited features of Claim 51.

For reasons similar to those set forth regarding Claim 51, Applicant's Claim 72, as amended herein, is also neither disclosed nor suggested by the references, taken separately or in

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combination, in that the references neither disclose nor suggest at least the features of *a computer program product for viewing a visual form of data associated with tags comprising: machine executable code for selecting a database containing a plurality of reports wherein each report includes a representation of a visual form of the data ... wherein horizontal and vertical coordinates identify a location of at least one text element represented in the visual form; machine executable code for selecting at least one report; ... wherein said previewer program is operable to perform searching for instances of specified text in said at least one report, and further comprising machine executable code for: identifying each text command in one or more selected metafiles and coordinates identifying a position of text associated with said text command; sorting text commands in accordance with each of said one or more selected metafiles, Y coordinate position within a display, and X coordinate position within the display; forming a list of records of text strings from said sorted text commands, wherein a position of each text string in the display is associated with each record; and concatenating a first text string of said text strings with a second text string of said text strings if said first and second text strings are within a predetermined percentage of text height, as set forth in Claim 72.*

In view of the foregoing, Applicant respectfully requests that the rejection be reconsidered and withdrawn.

Applicant respectfully submits that newly added Claim 101 is also patentable over the cited art.

Based on the above, Applicant respectfully requests that the Examiner reconsider and withdraw all outstanding rejections. Favorable consideration and allowance are earnestly solicited. Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at 508-898-8604.

Respectfully submitted,
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